	r -	 				
	냳	Number			DB	Time stamp
	-		1351	(===,===,===,===,===,===,,===,,====,	USPAT	2003/01/15 13:02
٠	-		838	((349/106,110,153,155,166).CCLS.) and	USPAT	2002/10/03 13:39
*.				(color adj2 filter)		2002, 10, 00 10.00
	-		364		USPAT	2002/10/01 15:11
				(color adj2 filter)) and (black adj2	USEAL	2002/10/01 13:11
				matrix)		
			210		1	
	·		210		USPAT	2002/10/01 15:11
				(color adj2 filter)) and (black adj2	·	
				matrix)) and (active adj2 matrix)		
	-		108	((((((349/106,110,153,155,166).CCLS.) and	USPAT .	2003/01/15 12:57
,	İ .			(color adj2 filter)) and (black adj2	1	12003,01,10 12.0.
			1	matrix)) and (active adj2 matrix)) and		
,				spacer		
		* *	٠ · ١	((((((((349/106,110,153,155,166).CCLS.) and	***************************************	
			1. 0	(11111(1343)100,110,133,133,100).CCLS.) and	USPAT	2002/10/01 15:13
		•		(color adj2 filter)) and (black adj2		
				matrix)) and (active adj2 matrix)) and		
		,	.	spacer) and bead) and (spacer adj2 under		
		•	'	adj2 black)		
Ì	- , .		. 0	(((((((349/106,110,153,155,166).CCLS.) and	USPAT	2002/10/01 15:13
ł			1	(color adj2 filter)) and (black adj2		1 2002/10/01 10:13
.		,		matrix)) and (active adj2 matrix)) and		
				spacer) and head and tener to all		1 · · · · · · · · · · · · · · · · · · ·
	_		37	spacer) and bead) and (spacer adj2 under)		
			37	(((((((349/106,110,153,155,166).CCLS.) and	USPAT	2002/10/07 09:46
		•		(color adj2 filter)) and (black adj2	1	<u> </u>
				matrix)) and (active adj2 matrix)) and	1	4 ·
			1	spacer) and bead	· ,	
	-	•	8437	lcd	US-PGPUB	2002/10/02 12:01
-	-	100	585	1cd and spacer	US-PGPUB	2002/10/02 12:01
-	-		223	lcd and bead	US-PGPUB	
-	_	٠.	90	(1cd and spacer) and (1cd and bead)	Programme and the second	2002/10/02 12:01
-	_		40	(/lcd and spacer) and (lcd and bead)	US-PGPUB	2002/10/02 12:01
	•	,.	1 : 30	((lcd and spacer) and (lcd and bead)) and	US-PGPUB	2002/10/02 12:01
		. ••	1	height		
	_	,	0	(((lcd and spacer) and (lcd and bead)) and	US-PGPUB	2002/10/02 12:02
-	•		'	height) and (bead adj2 higher adj2 spacer)		
-	_		14		US-PGPUB	2002/10/02 12:02
1	100			height) and (black adj2 matrix)		
1	_	2.1.1	'"13		US-PGPUB	2002/10/02 12:08
ď	-			and height) and (black adj2 matrix)) and		"
1	,		* * *	(color adj2 filter)		
: -	–		57564	lcd	EPO; JPO;	2002/10/02 12:08
V	٠.	1	1		DERWENT	2002/10/02 12:08
Ì	_ ,		1228	1cd and spacer		000041040010
1			7 7 3.,	Tod and Spacel	EPO; JPO;	2002/10/02 12:08
Т			35	(1cd and spacer) and bead	DERWENT	100004045
1		- 1, j. 14	1.	1200 and spacely and bead	EPO; JPO;	2002/10/02 12:09
	<u>.</u>		-	//1 od and analysis	DERWENT	1
1			3	((1cd and spacer) and bead) and (black	EPO; JPO;	2002/10/02 12:28
1			[adj2 matrix)	DERWENT	
1	-· .	٠,٠,٠,٠,٠,٠	1	("6459467").PN.	USPAT	2002/10/02 12:29
	-		. ' 0'	6459467.URPN.	USPAT	2002/10/02 12:39
	_		. 7	("5399390" "5593615" "5929961"	USPAT	2002/10/02 12:39
				"5943113" "5978065" "6011609"		-002, 10,02 12.39
	·	1	ļ. , ļ	"6013339").PN.	**	
	<u>.</u> .		1	6124917.URPN.	IIOD*m	0000/10/00
	_	•	7		USPAT	2002/10/02 12:41
1	•		1.	("5155612" "5379139" "5381255" "5535030" "5585051" "5643074"	USPAT	2002/10/02 12:41
				"5535030" "5585951" "5641974"		
		1.1	_	"5739888").PN.		
	-		. 8	5643471.URPN.	USPAT	2002/10/02 12:50
1	ī.,	• • 1	14	5381255.URPN.	USPAT	2002/10/02 13:10
1.	-			hitachi.as.	USPAT	2002/10/02 14:41 .
. •	-		408	hitachi.as. and lcd	USPAT	2002/10/02 14:41
1.		- 1	. 59	(hitachi.as. and lcd) and spacer	USPAT	2002/10/02 14:41
-	-	1	19	((hitachi.as. and lcd) and spacer) and	USPAT	2002/10/02 14:42
I	-	. [bead bead	•	2002/10/02 14:42
-	-	ļ	7	(((hitachi.as. and lcd) and spacer) and	II CDATE	2002/10/02
1			, '	bead) and (black adj2 matrix)	USPAT	2002/10/02 14:42
۱.	_	٠, ١	13	((349/106,110,153,155,166).CCLS.) and	11000-	
				(color adi2 filton) (USPAT	2002/10/03 13:41
		.		(color adj2 filter) and (column adj2		
۱ ـ			43257	spacer)		
_			43231	"13" and (contact adj2 area)	USPAT	2002/10/03 13:42

<u> : </u>						*
-		4	(((349/106,110,153,155,166).CCLS.) and	USPAT	2002/10/03	13:59
			(color adj2 filter) and (column adj2			
1			spacer)) and (contact adj2 area)			
-		4	(((349/106,110,153,155,166).CCLS.) and	USPAT	2002/10/03	14:00
1		ľ	(color adj2 filter) and (column adj2	,		٠
			spacer)) and (pixel adj2 area)		1	
-		2	((((((349/106,110,153,155,166).CCLS.) and	USPAT	2002/10/07	09:56
			(color adj2 filter)) and (black adj2			
		1	matrix)) and (active adj2 matrix)) and			•
		•	(column adj2 spacer)) and bead		′	2
_	·	10098	("349").CLAS.	USPAT	2002/10/07	09.57
l _		1077	((349/).CCLS.) and (black adj2 matrix)	USPAT	2002/10/07	
	•	873	(((349/).CCLS.) and (black adj2 matrix))	USPAT	2002/10/07	
1.		""		OSPAI	2002/10/07	09:50
		566	and (color adj2 filter)	HODAM	2000/10/07:	
-		300	((((349/).CCLS.) and (black adj2 matrix))	USPAT	2002/10/07	09:58
			and (color adj2 filter)) and (active adj2			
	•		matrix)			
-		11	(((((349/).CCLS.) and (black adj2 matrix))	USPAT	2002/10/07	10:05
1	•	1	and (color adj2 filter)) and (active adj2	,		
	ψ.		matrix)) and (column adj2 spacer) .			
-'		9	((((((349/).CCLS.) and (black adj2 matrix))	USPAT	2002/10/07	10:09
		1	and (color adj2 filter)) and (active adj2			
	-		matrix)) and (pillar adj2 spacer)		,	
		27	(((((349/).CCLS.) and (black adj2 matrix))	USPAT	2002/10/07	12:12
·			and (color adj2 filter)) and (active adj2			
			matrix)) and (contact adj2 area)			
		. 138	(((((349/).CCLS.) and (black adj2 matrix))	USPAT	2002/10/07	12.12
			and (color adj2 filter)) and (active adj2	ODIM	2002/10/07	12.13
			matrix)) and (pixel adj2 area)		,	
_		7	((((((349/).CCLS.) and (black adj2	USPAT	2002/10/07	12.12
		1 '1	matrix)) and (color adj2 filter)) and	USPAI	2002/10/07	12:13
					, _	
			(active adj2 matrix)) and (pixel adj2	a .,		.
1		-	area)) and (column adj2 spacer)			1
_		5	((((((((349/).CCLS.) and (black adj2	USPAT	2002/10/07	12:31
;;			matrix)) and (color adj2 filter)) and			
	* .		(active adj2 matrix)) and (pixel adj2	•		
			area)) and (column adj2 spacer)) and			
			(contact adj2 area)			
- '		7	(((((((349/).CCLS.) and (black adj2	USPAT	2002/10/07	13:02
		· .	matrix)) and (color adj2 filter)) and		. *	
		1 1	(active adj2 matrix)) and (pixel adj2		•	
	,	A 4	area)) and (column adj2 spacer)) and			
			(density)			
l – ,	•	1	("6317188").PN:	USPAT	2002/10/07 1	13:09
- :		0	(((((((349/).CCLS.) and (black adj2	USPAT	2002/10/07 1	
,			matrix)) and (color adj2 filter)) and			[
			(active adj2 matrix)) and (pixel adj2	• . •	. * .	
].	area)) and reservoir	1	•,	į,
-		1 0	((((((349/).CCLS.) and (black adj2	USPAT	2002/10/07 1	3:10
1 2	•] • • • • • • • •	matrix)) and (color adj2 filter)) and	, ,	2002/10/07 1	-3.10
		[(active adj2 matrix)) and (pixel adj2			. `
	•	þ.,	area)) and (LC adj2 storage)		,	
_	1	15	((((((349/).CCLS.) and (black adj2	IICDVIII	2002/10/07 1	ا ده. ده
		' 13"	matrix)) and (color adj2 filter)) and	USPAT	2002/10/07 1	13:21
		j	(active adj2 matrix)) and (pixel adj2	·		
			area)) and (excess)			
		0	((((((349/).CCLS.) and (black adj2	USPAT	2002/10/07 1	13:29
			matrix)) and (color adj2 filter)) and	•		
			(active adj2 matrix)) and (pixel adj2			'
		' · _	area)) and (squeege)			1
- '		0	(((((((349/).CCLS.) and (black adj2	USPAT	2002/10/07 1	.3:29
			matrix)) and (color adj2 filter)) and	-		
			(active adj2 matrix)) and (pixel adj2	•		
. '	,]	area)) and (squeeze)			
			(((((((349/).CCLS.) and (black adj2	USPAT	2002/10/07 1	3:29
. '	-		matrix)) and (color adj2 filter)) and	· · · · · · · · · · · · · · · · · · ·		
	•		(active adj2 matrix)) and (pixel adj2	:		
			area)) and (squeegee)	•		ì

• [7		, 0	(((((((349/).CCLS.) and (black adj2	USPAT	2002/10/07	13:30
				matrix)) and (color adj2 filter)) and		٠.	
	•			(active adj2 matrix)) and (pixel adj2			,
				area)) and remove) and (Liquid adj2			
			40	crystal adj2 remove) ((((((349/).CCLS.) and (black adj2	USPAT	2002/10/07	13.30
	·-		40	matrix)) and (color adj2 filter)) and	OSIAI	2002/10/07	7
	,			(active adj2 matrix)) and (pixel adj2			
				area)) and remove	·		٠.,
	-		1.	(((((349/106,110,153,155,166).CCLS.) and	USPAT	2003/01/15	14:08
				(color adj2 filter)) and (black adj2			
			e.	<pre>matrix)) and (active adj2 matrix)) and</pre>			
	*	:	0	spacer and reservoir (349/106,110,153,155,166 and (column adj2	USPAT	2003/01/15	14.07
	-			spacer)).CCLS.	ODIAI .	2003/01/13	11.01
	_		1400	(349/106,110,153,155,166).CCLS.	USPAT	2003/01/15	13:04
	-		21	((349/106,110,153,155,166).CCLS.) and	USPAT	2003/01/15	13:04
	•	**		(column adj2 spacer)			
	-		0	((((349/106,110,153,155,166).CCLS.) and	USPAT	2003/01/15	13:05
	•			(column adj2 spacer)) and (area same			,
	_		5	spacer)) and reservoir ((((349/106,110,153,155,166).CCLS.) and	USPAT	2003/01/15	13:09
				(column adj2 spacer)) and (area same			
-				spacer)) and percent	,		*
1	-	,	10398	("349").CLAS.	USPAT	2003/01/15	
	- .		16	(((349/106,110,153,155,166).CCLS.) and	USPAT	2003/01/15	13:23
١.				(column adj2 spacer)) and (area same		•	,
	_		26	spacer) ((349/106,110,153,155,166).CCLS.) and	USPAT	2003/01/15	13:24
			20	reservoir	001111	2000,01,10	4
	- .		0	(349/106,110,153,155,166 and (column adj2	USPAT	2003/01/15	14:07
	• .			spacer) and (contact adj2 area)).CCLS.			
	-	•	0	(349/106,110,153,155,166 and (spacer) and	USPAT	2003/01/15	14:08
		, .	63	(contact adj2 area)).CCLS.	USPAT	2003/01/15	14.00
	_	•	63	((349/106,110,153,155,166).CCLS.) and (contact adj2 area)	USFAI	2003/01/13	14.03
`	-		5	(((349/106,110,153,155,166).CCLS.) and	USPAT	2003/01/15	14:13
1			•	(contact adj2 area)) and (column adj2	• • •		
		1 ,		spacer)		0000 101 105	10 15
	-	*.	277	((349/).CCLS.) and (contact adj2 area)	USPAT	2003/01/25 2003/01/15	
	_ '.	;	10	(((349/).CCLS.) and (contact adj2 area)) and (column adj2 spacer)	USPAT '	2003/01/13	14:10
	- -		131	(((349/).CCLS.) and (contact adj2 area))	USPAT	2003/01/15	14:17
				and (spacer)			
	-		56	((((349/).CCLS.) and (contact adj2 area))	USPAT	2003/01/15	14:17
		•		and (spacer)) and (area same pixel)	TIGDAM	2002/01/15	11.17
	. =		30	(((((349/).CCLS.) and (contact adj2 area))	USPAT	2003/01/15	14:1/
			' ' a	<pre>and (spacer)) and (area same pixel)) and (column)</pre>			
	_ `		. 24	((((((349/).CCLS.) and (contact adj2	USPAT	2003/01/15	14:18
				area)) and (spacer)) and (area same .			
		. **		pixel)) and (column)) and (ratio)	irant =	0000/01/15	14 10
	. –		24	(((((((349/).CCLS.) and (contact adj2	USPAT	2003/01/15	14:18
.				area)) and (spacer)) and (area same pixel)) and (column)) and ratio			·
	_		8	(((((((349/).CCLS.) and (contact adj2	USPAT	2003/01/15	14:26
		•		area)) and (spacer)) and (area same			
1		ł		pixel)) and (column)) and ratio) and			
			[50005	percent	EDO. TPO-	2003/01/15	14.26
1			59805	lcd	EPO; JPO; DERWENT	2003/01/13	14:20
	_	. ,	7	lcd and (column adj2 spacer)	EPO; JPO;	2003/01/15	14:38
			' [The second secon	DERWENT		7.7
	-		.0	("US6317188B1").PN.	USPAT	2003/01/15	
			1	("6317188").PN.	USPAT	2003/01/15	
			87	((((349/).CCLS.) and (contact adj2 area))	USPAT	2003/01/15	15:22
		•	2	<pre>and (spacer)) and pressure (((((349/).CCLS.) and (contact adj2 area))</pre>	USPAT	2003/01/15	15:32
		. *	·	and (spacer)) and pressure) and Newton '	552411	2000/01/10	
1	_		1	("5739888").PN.	USPAT	2003/01/16	
-	- ,		, 0	((349/).CCLS.) and (contact adj2 area) and	USPAT	2003/01/25	10:16
Į				(newtons adj2 meter)			

					Agricultural and the second second
-	1000	135355	atmospheric adj2 pressure	USPAT	2003/01/25 10:16
-		' 1	(atmospheric adj2 pressure) same (newton	USPAT	2003/01/25 10:17
			adj2 meter)		2000,01,20 10.1,
-	*, *	3959	(atmospheric adj2 pressure) same (torr)	USPAT	2003/01/25 10:18
-	• .	518	((atmospheric adj2 pressure) same (torr))	USPAT	2003/01/25 10:18
ĺ			same ("760" adj2 torr)	332	2003/01/23 10.10
-	1 1	182		USPAT	2003/08/14 10:00
-	,	1072485	width or wire	USPAT	2003/08/14 10:00
-		168838	spacer	USPAT	2003/08/14 10:00
-		23161	(width or wire) same spacer	USPAT	2003/08/14 10:00
-	. '	0	((349/156).CCLS.) same ((width or wire)	USPAT	2003/08/14 10:01
İ	4		same spacer)	, , , , ,	
-	· · · · · · · · · · · · · · · · · · ·	159		USPAT	2003/08/14 10:01
-	•	64	(((349/156).CCLS.) and spacer) and column	USPAT	2003/08/14.10:01
-		40	((((349/156).CCLS.) and spacer) and	USPAT	2003/08/14 10:01
			column) and width		
- .		. 10	(((((349/156).CCLS.) and spacer) and	USPAT	2003/08/14 10:10
			column) and width) and (pixel adj2 area)		
_		11	((349/156).CCLS.) and (spacer adj2 width)	USPAT	2003/08/14 10:11
-·		6	("5815232" "6072557" "6115098"	USPAT	2003/08/16 22:31
			"6266122" "6281960" "6330049").PN.		
-		0	("solarspectrum").PN.	USPAT	2003/08/19 11:47
,-		225225	solar spectrum	USPAT	2003/08/19 11:47
-,		14642	(solar spectrum) same ultraviolet	USPAT	2003/08/19 11:48
·, –		1430	(solar spectrum) same ((solar spectrum)	USPAT	2003/08/19 11:48
	1.		same ultraviolet) and (ultraviolet adj2		
			range)		
-		275	((solar spectrum) same ((solar spectrum)	USPAT	2003/08/19 11:49
	1		same ultraviolet) and (ultraviolet adj2	·	, , , , , , , , , , , , , , , , , , , ,
			range)) and sunlight		· · · · · · · · · · · · · · · · · · ·
-		4	6281960.URPN.	USPAT	2003/09/15 10:34
		' . 3· [(("5757451") or ("5739888") or	USPAT;	2004/04/22 09:02
			("5729312")).PN.	US-PGPUB	